

# APPENDIX

# I

## Frequencies, Means, Standard Deviations for Adult Responses

N=471 (All cases of youth responding to survey). Not all adults responded to each question. The percentages reported are for those responding to the item.

*Note: Not all percents will add to 100 due to rounding error.*

Read each statement and mark how much you agree or disagree with the sentence. When the sentence says "4-H" or "4-H activities" think about all the 4-H activities you or your children have done. If you or they have only done one program, base your answers on that. By "children" we mean any young person in 4-H (18 years of age and younger).

These sentences ask you about the adults children have met in 4-H. These adults could be county agents, local extension staff members, volunteers, an adult who visits classrooms doing 4-H school programs, or a volunteer parent who leads a 4-H club meeting.

### Adult Survey

<b><i>1. Adults in 4-H</i></b>		<b><i>Mean /SD</i></b>	<b><i>Strongly Disagree</i></b>	<b><i>Disagree</i></b>	<b><i>Agree</i></b>	<b><i>Strongly Agree</i></b>
A	Adults in 4-H always listen to what children have to say.	3.03 0.59	<1%	15%	66%	20%
B	Adults in 4-H expect children to respect the feelings and property of others.	3.53 0.52	<1%	<1%	46%	54%
C	Adults in 4-H help children to work with others as a team.	3.36 0.53	0%	3%	59%	39%
D	Adults in 4-H expect too much from children.	1.90 0.68	26%	60%	11%	2%
E	Adults in 4-H do NOT see problems from a youth's point of view.	1.94 0.65	23%	62%	14%	2%
F	Adults in 4-H make children feel good about themselves.	3.27 0.52	<1%	2%	68%	30%
G	Adults in 4-H help children feel that they can make a difference.	3.33 0.51	<1%	2%	64%	35%
H	Adults in 4-H do NOT include children in big decisions.	2.00 0.70	22%	58%	17%	3%
I	Children feel comfortable going to the adults in 4-H for advice.	3.11 0.50	<1%	6%	75%	18%
<b><i>2. Feelings about 4-H.</i></b>						
A	In 4-H children feel that it's safe to try new things.	3.21 0.47	<1%	2%	74%	24%
B	In 4-H children can try new things without worrying about making mistakes.	3.14 0.59	1%	8%	66%	24%
C	In 4-H children often feel embarrassed or put-down.	1.77 0.62	32%	60%	7%	1%
D	Children feel good during 4-H activities.	3.32/0.50	0%	2%	65%	34%
E	In 4-H children get to know everyone.	3.09/0.61	1%	11%	65%	22%
F	Children feel safe when they do 4-H activities.	3.30 0.49	0%	2%	67%	32%

		<i>Mean /SD</i>	<i>Strongly Disagree</i>	<i>Disagree</i>	<i>Agree</i>	<i>Strongly Agree</i>
G	In 4-H children can work out their differences peacefully.	3.13 0.46	0%	5%	77%	18%
H	People in 4-H are rude.	1.49/0.61	56%	40%	3%	1%
<b>3. Learning in 4-H.</b>						
A	In 4-H children have learned how to find information about topics that interest them.	3.13 0.53	1%	6%	73%	20%
B	In 4-H children explore their own interests.	3.25 0.51	<1%	3%	69%	29%
C	4-H teaches children that they can solve problems on their own.	3.19 0.52	0%	6%	69%	25%
D	Children often teach others in 4-H.	3.38/0.52	0%	2%	59%	39%
E	4-H rewards children for being successful.	3.46/0.53	0%	2%	51%	48%
F	In 4-H children often try new or different things.	3.33 0.54	<1%	2%	61%	36%
<b>4. Helping Others.</b>						
A	4-H teaches children to help other people.	3.34/0.51	0%	2%	63%	35%
B	4-H shows children ways to help people in their community.	3.40 0.53	0%	2%	56%	42%
C	4-H shows children that volunteering is important.	3.44 0.54	0%	2%	51%	46%
D	4-H teaches children to be involved in their community.	3.48 0.54	0%	2%	48%	50%
E	In 4-H youth help out in important ways.	3.39/0.53	<1%	2%	57%	41%
F	4-H helps children to be leaders.	3.56/0.51	6%	1%	42%	57%

<b>5. Planning and Decision Making in 4-H.</b>		<b>Mean /SD</b>	<b>Strongly Disagree</b>	<b>Disagree</b>	<b>Agree</b>	<b>Strongly Agree</b>
A	4-H teaches children that they can make their own decisions.	3.24 0.49	0%	3%	70%	27%
B	4-H teaches children to do things on their own	3.25 0.51	0%	4%	68%	29%
C	4-H helps children set goals.	3.43/0.52	<1%	1%	54%	44%
D	4-H helps children develop a plan to reach their goals.	3.33 0.57	<1%	4%	57%	38%
E	4-H teaches children to be responsible for their actions.	3.36 0.52	0%	2%	60%	38%
F	4-H helps children to think through all choices when making a decision.	3.22 0.55	0%	7%	65%	29%
<b>6. Belonging in 4-H.</b>						
A	Children feel like they belong in 4-H.	3.29/0.52	0%	3%	65%	32%
B	All kinds of youth are welcome in 4-H.	3.48/0.55	0%	2%	47%	50%
C	Both girls and boys can be leaders in 4-H.	3.58/0.50	0%	<1%	41%	58%
D	4-H children's best friends are in 4-H.	2.91/0.73	2%	25%	52%	20%
E	In 4-H, both boys and girls treat each other with respect.	3.21 0.52	0%	5%	69%	26%
F	Boys and girls have equal chances to do everything in 4-H.	3.42 0.56	<1%	2%	53%	45%
G	Children can count on others in their 4-H group to help them.	3.33 0.53	0%	3%	61%	36%
H	4-H helps children accept differences in others.	3.27 0.53	<1%	3%	66%	31%
I	4-H youth care about each other.	3.30/0.50	0%	2%	66%	32%

***Thank You VERY Much for Answering These Questions!!!***

**Questions About You.**

This information will help us know about the adults who filled out this survey. Please fill in your answer or check the box for your response.

7. How old are you? \_\_\_\_\_ years old

Mean = 40

sd = 9.89

Range = 18-84

8. How many children do you have in kindergarten through 12th grade?

\_\_\_\_\_ number of children

*(If you are a 4-H staff member, with how many youth in K-12th grade do you work?)*

Median response was between 1-2 children

Range was 0-991

9. Are you female or male?

80%      Female                      20%      Male

10. Which of the following best describes you?

3%      African American

<1%      Asian American/Pacific Islander

90%      Caucasian/White

4%      Native American

2%      Hispanic

<1%      Other (please specify \_\_\_\_\_ )

11. Where do you live? Check the box of your response.

39%      Rural farm

20%      Rural non-farm (less than 2,500 people)

23%      Towns (between 2,500–9,999 people)

8%      Towns (more than 10,000 but less than 50,000 people)

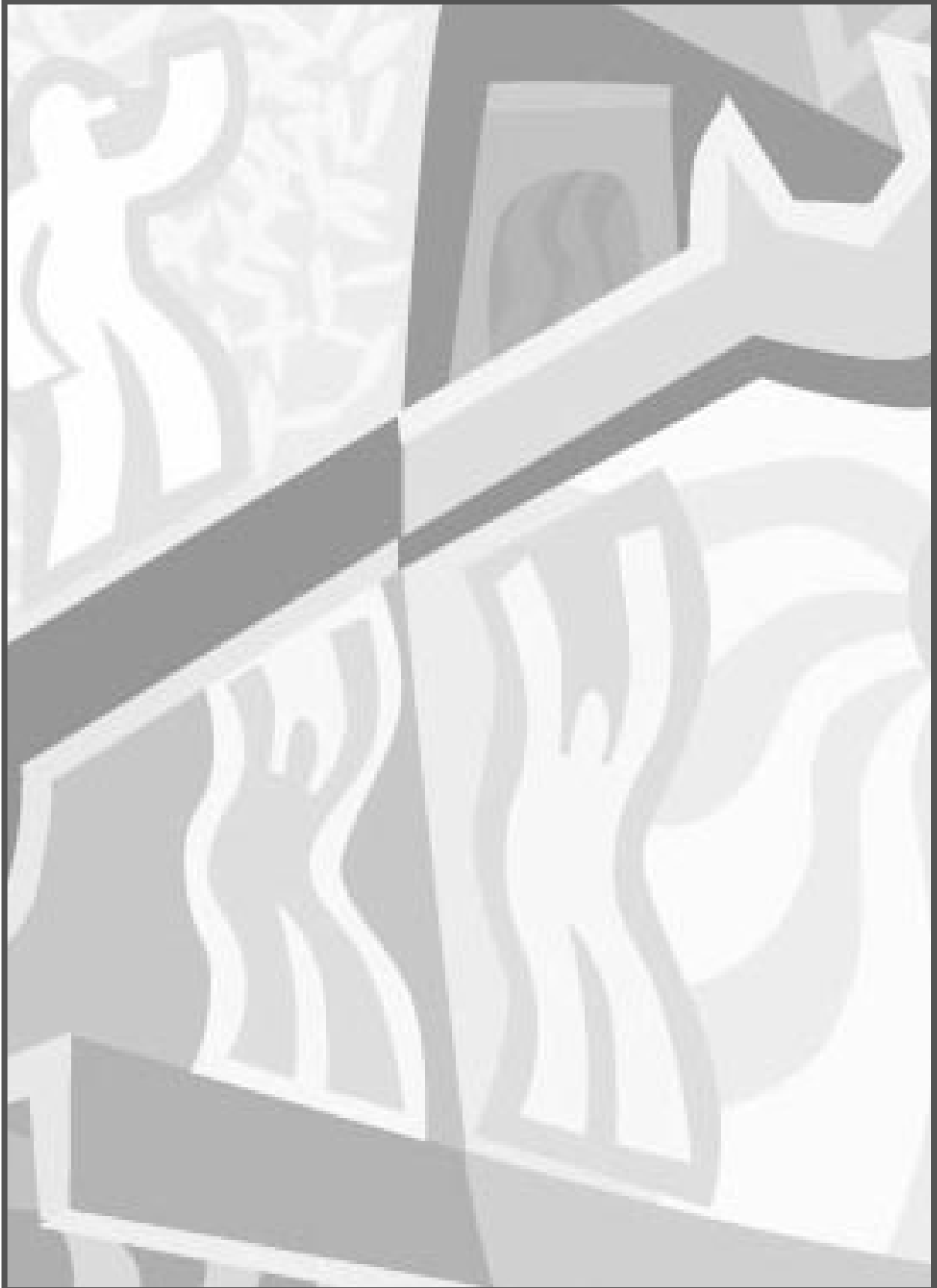
10%      City over 50,000

12. What experience do you have with 4-H (*check all that apply and provide estimate of years of involvement*):

Experience:	% YES	Number of years:
I am a parent of a child/children who has participated in 4-H for....	84%	Mean = 5.28 years (sd=5.42) Median 3-4 years
I am an adult volunteer with 4-H	56%	Mean = 4.14 years (sd=56.44) Median 1-2 years
I am a staff member with 4-H responsibilities	13%	Mean = 1.31 years (sd=4.72) Median 3-4 years
I was a 4-Her	46%	Mean = 3.4 years (sd=4.2) Median 0-1 years
Other-Please describe:	12%	

13. How has 4-H changed your life?

*See summary of open-ended comments on pages 24-31.*



**Table 1. Multiple Classification Analysis of  
Selected Background Characteristics and Attitudes  
Toward the 4-H Program by Participants.**

<i>Background Variables</i>	<i>Adults in 4-H</i>		<i>Feelings about 4-H</i>	
	<i>Mean</i>	<i>Beta</i>	<i>Mean</i>	<i>Beta</i>
<u>Program Type</u>		.07*		.06
Club	28.3		26.0	
Special Interest	28.6		26.1	
After School Program	27.8		25.4	
School Enrichment	28.3		26.0	
<u>Gender</u>		.08**		.10**
Female	28.5		26.2	
Male	27.9		25.4	
<u>Age of Respondent</u>		.10**		.12**
9 or fewer years	28.5		26.1	
10 — 12 years	28.5		26.2	
13 — 14 years	27.5		25.1	
15 or more years	28.0		25.9	
<u>Race/Ethnic Background</u>		.08**		.03
Caucasian	28.4		26.0	
Non-caucasian	27.7		25.6	
<u>Years in 4-H</u>		.05		.01
Less than 1	28.4		25.9	
1—2	28.4		25.8	
3—4	28.4		25.9	
5 or more	28.0		25.9	
<u>Residence</u>		.06		.04
Rural Farm/Nonfarm	28.4		26.0	
Towns 50,000 or less	28.2		25.8	
Towns greater than 50,000	27.7		25.5	
<u>Region</u>		.17**		.16**
Eastern	29.2		26.9	
Central	27.7		25.4	
Southern	27.9		25.5	
Western	29.4		26.7	
<b><math>R^2 =</math></b>		<b>.05</b>		<b>.06</b>



# APPENDIX

J

<i>Learning in 4-H</i>		<i>Helping Others</i>		<i>Planning and Decision Making in 4-H</i>		<i>Belonging in 4-H</i>	
<i>Mean</i>	<i>Beta</i>	<i>Mean</i>	<i>Beta</i>	<i>Mean</i>	<i>Beta</i>	<i>Mean</i>	<i>Beta</i>
	.07*		.15**		.06		.08*
18.7		19.5		19.1		29.5	
18.7		19.6		19.2		29.5	
18.1		18.2		18.6		28.5	
18.7		19.2		19.0		29.1	
	.09**		.11**		.09**		.10**
18.8		19.5		19.3		29.6	
18.3		18.8		18.7		28.7	
	.12**		.11**		.10**		.11**
18.8		19.5		19.4		30.0	
18.8		19.4		19.2		29.5	
17.9		18.5		18.4		28.4	
18.9		19.4		18.8		29.0	
	.02		.05*		.00		.01
18.6		19.3		19.0		29.3	
18.5		18.9		19.0		29.1	
	.10**		.09**		.04		.07
18.2		18.9		18.9		28.8	
18.6		19.0		19.0		29.4	
18.7		19.4		18.9		29.4	
19.0		19.6		19.2		29.6	
	.05		.04		.04		.06*
18.6		19.3		19.1		29.5	
18.4		19.1		18.8		29.0	
18.9		19.1		19.0		28.9	
	.07*		.08**		.07*		.11**
19.0		19.3		19.1		30.1	
18.1		18.8		18.8		28.8	
18.5		19.3		19.0		29.0	
18.9		19.7		19.5		30.0	
<b>.04</b>		<b>.07</b>		<b>.03</b>		<b>.04</b>	

\*  $P < .05$

\*\*  $P < .01$

**Table 2. Multiple Classification Analysis of  
Selected Background Characteristics and Attitudes  
Toward the 4-H Program by Adults.**

<i>Background Variables</i>	<i>Adults in 4-H</i>		<i>Feelings about 4-H</i>	
	<i>Mean</i>	<i>Beta</i>	<i>Mean</i>	<i>Beta</i>
<u>Program Type</u>		.21**		.16**
Club	28.9		26.0	
Special Interest	28.3		25.6	
After School Program	28.6		25.6	
School Enrichment	0.5		27.0	
<u>Gender</u>		.04		.04
Female	28.9		25.9	
Male	28.6		26.2	
<u>Age of Respondent</u>		.11		.18**
30 or fewer years	29.3		26.9	
31 — 35 years	28.3		25.4	
36 — 40 years	28.7		25.4	
41 — 45	29.3		26.3	
46 or more years	28.7		25.9	
<u>Race/Ethnic Background</u>		.02		.02
Caucasian	28.8		25.9	
Non-caucasian	29.0		26.1	
<u>Years in 4-H</u>		.11		.14*
Less than 2	28.7		25.4	
2—3	28.9		25.8	
4—10	29.4		26.5	
11 or more	28.6		25.8	
<u>Residence</u>		.07		.04
Rural Farm/Nonfarm	28.7		26.0	
Towns, 50,000 or less	28.9		25.8	
Towns greater than 50,000	29.4		25.9	
<u>Region</u>		.23**		.21**
Eastern	29.2		26.4	
Central	28.0		25.2	
Southern	29.5		26.5	
Western	28.5		25.7	
<b>R2 =</b>		<b>.11</b>		<b>.09</b>

# APPENDIX

# K

<i>Learning in 4-H</i>		<i>Helping Others</i>		<i>Planning and Decision Making in 4-H</i>		<i>Belonging in 4-H</i>	
<i>Mean</i>	<i>Beta</i>	<i>Mean</i>	<i>Beta</i>	<i>Mean</i>	<i>Beta</i>	<i>Mean</i>	<i>Beta</i>
	.15*		.07		.17*		.07
19.7		20.7		19.6		29.6	
19.4		20.5		19.5		29.6	
20.0		20.5		20.4		29.8	
20.5		22.1		20.5		30.4	
	.04		.01		.04		.01
19.8		20.6		19.8		29.8	
19.6		20.7		20.0		29.9	
	.24**		.18*		.12		.23**
20.5		21.1		20.3		31.1	
19.3		19.7		19.4		28.9	
19.2		20.3		19.5		29.1	
20.5		21.0		20.1		30.6	
19.7		20.8		20.0		29.6	
	.06		.05		.02		.03
19.7		19.9		19.9		29.8	
20.2		19.7		19.7		29.5	
	.18*		.16		.09		.18*
19.0		19.9		19.5		28.7	
19.4		20.2		19.7		28.9	
20.1		20.7		19.8		30.4	
20.0		21.0		20.1		30.1	
	.01		.02		.09		.09
19.8		20.6		19.7		29.8	
19.8		20.6		20.1		30.0	
19.8		20.5		20.0		28.9	
	.09		.15		.13		.18*
19.8		20.4		19.9		30.1	
19.7		20.3		19.5		29.0	
20.0		21.1		20.2		30.4	
19.3		20.3		19.5		29.8	
	<b>.10</b>		<b>.07</b>		<b>.08</b>		<b>.10</b>

\*  $P < .05$ 

\*\*  $P < .01$



## ***References***

(See also the work group reports on *Critical Elements, Outcomes and Methods* for specific references used there.)

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